

DEVICE FOR CONTROL OF CAPACITOR CHARGING

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Inventor(s): BURDASOV BORIS K
Applicant(s):: BURDASOV BORIS K (SU)
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Abstract

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Load voltage regulator is known which contains main thyristors (9, 10), switching thyristors (3, 4), switching capacitor (5) and ballast resistor (2), but it cannot be used to charge two capacitors by voltages which are mutually offset 180 el. deg. in time. The regulator is also unstable in operation.

In the proposed **capacitor charging control**, the anodes of two opposition connected diodes (7, 8) are connected to the output from the common point of connection of the charging capacitors (11, 12) of channels A and B. The cathodes of the diodes connect to the anodes of the main thyristors. The switching capacitor, shunted by resistor (6), is connected parallel to the secondary winding of the supply **transformer** (1) across the switching thyristors.

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